



The Minuteman Repeater Association

A non-profit organization providing communications infrastructure and volunteers for community and emergency events.



The Minuteman

Volume 45, Number 1

September 2015

Membership Meeting ~ Wednesday, Sept 23 ~ 7 PM

The Greatest Hobby In The World

ARRL First Vice President Rick Roderick, K5UR

This is a DVD presentation of a speech given at the 2014 ARRL convention. This inspirational and humorous presentation has been well received at gatherings across the country

Location: Northborough Public Library

Talkin: 147.27

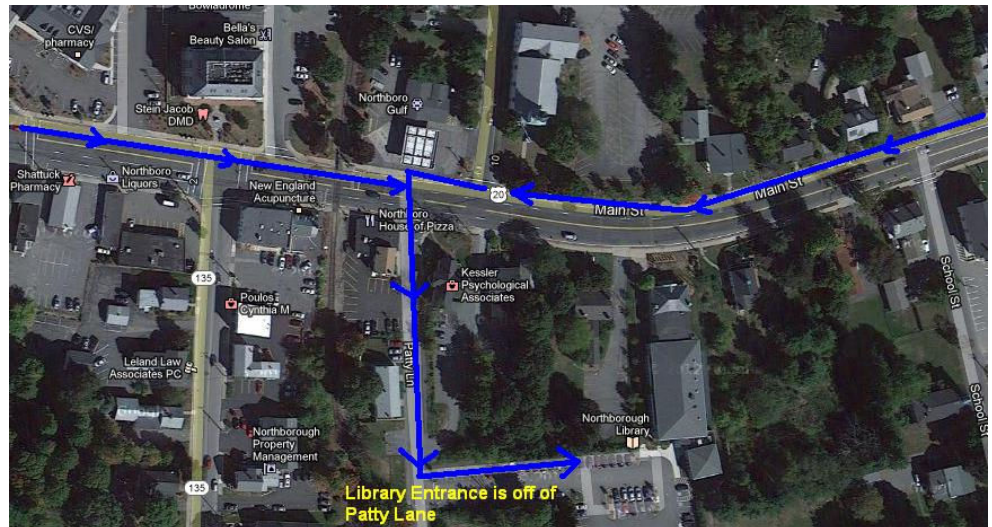
Have you renewed your membership yet?

All 2014 memberships expired on August 31st! Time to renew either on the Member's login link at www.mmra.org or by U.S. Mail with a check to MMRA, PO Box 669, Stow, MA 01665.

Directions to The Northborough Free Library

Directions from I-495:

- From I-495, take Exit 24B which is Rt. 20 West toward Northborough.
- Follow Rt. 20 West about 3.5 miles, into the center of Northborough.
- Opposite the Gulf Station on the right, turn left into Patty Lane.
- The Northborough Free Library parking lot will be on the left.



Also check: <http://northboroughlibrary.org/northborough/hours.asp>

LIBRARY PARKING

Patty Lane is right across from the Gulf station. Follow Patty Lane to the library parking lot.

The red brick building next to the library has a tempting driveway, being right next to the library, but it is private property. Please respect the owners' property, and use the library lot. Additional parking is available on the corner of Hudson and Pierce, or at Town Hall.

Traffic exiting Patty Lane should stay to far right, even for left turns, to avoid traffic turning in. The lane closest to the pizza shop is for INCOMING traffic ONLY from Rt. 20 eastbound.

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Band	XMTR Location	Freq	PL	Call	Linking	
					To Hub 1	To Hub 2
MMRA Voice Repeaters						
10m	Marlborough	29.680	131.8	W1MRA	PTL	PTL
6m	Marlborough	53.810	71.9	W1BRI	PTL	PTL
2m	Brookline	145.160	na	K1MRA	D-Star	
	Belmont	145.430	146.2	N1DDK	PTL	FTL: DARI
	Mendon	146.610		AE1C	FTL	PTL
	Quincy	146.670		W1BRI	PTL	PTL
	Burlington	146.715		KC1US	PTL	PTL
	Weston	146.790		N1BE	PTL	PTL
	Boston	146.820		K1BOS	FTL	PTL
	Remote receive in Brookline Boston: PLin = 127.3					
Marlborough	147.270	146.2	W1MRA	PTL	PTL	
1½m	Hopkinton	223.940	103.5	KB1LOY	PTL	FTL
	Quincy	224.400		N1KUG	PTL	FTL
	Weston	224.700		N1NOM	PTL	FTL
	Marlborough	224.880		W1MRA	PTL	FTL
70cm	Lowell	442.250	88.5	K1LVF	FTL	PTL: 446.775
	Weston *	442.700		KG1H	Network Hub 2 (PTL to Hub 1)	
	Burlington	446.775		W1DYJ	FTL	PTL
	Marlborough	448.225	na	W1MRA	D-Star	
	Marlborough	449.575	88.5	W1BRI	PTL	PTL
	Marlborough *	449.925		W1MRA	Network Hub 1	
33cm	Boston *	927.0625	D244	K1RJZ	PTL	PTL
	Marlborough *	927.700		W1MRA	PTL	PTL
Marlborough		144.390	none	W1MRA	APRS Digipeater	
???		145.630	146.2	W1MRA	Fox Box	
*Internet	HUB1— 449.925: IRLP node 4133 / Echolink node 4133					
	HUB2 — 442.700: IRLP node 4136; Connected to 220 Reflector 9124 on Tuesdays					
	927.0625: IRLP 4977			Normally linked to the NE900 Reflector, 9125. Linked to MMRA via IRLP for the TIAOS net. Normally linked together.		
	927.700: IRLP 4978					
Notes: FTL = Full Time Linked (or default state) PTL = Part Time Linked (on schedule or demand)						

Wide Area Youth Net

Kenneth Kalin, KC1AHI, Nathan Pennie, KC1CFU

Many youth hams across Eastern Massachusetts have spent a lot of time and effort getting their radio tickets and yearn for a time and place to talk to other hams and kids their age. However, many youths can't reach popular repeaters or turn off their radios and miss other hams who get on the air a few minutes later.

To solve this dilemma, the Clay Center Amateur Radio Club (CC-ARC) and the Minuteman Repeater Association (MMRA) have teamed and combined their repeater networks at **7:30 PM on Thursdays** to hold a wide area youth net. Kenneth Kalin, KC1AHI and Nathan Pennie, KC1CFU with the help of Marek Kozubal, KB1NCG wrote the script for this net.

The Eastern Massachusetts Youth net has now been running for about a month. KC1CFU, KC1AHI, and KC1CJP have taken turns running the net, but

only a few other CC-ARC members have joined. ***We really would like to see more people on the net.*** Although the name implies a youth-only net, we welcome adults and youths to the net. We think it is important for adults to join in to act as role models for the youths that are new to ham radio. It is important that the next generation of hams is competent at participating in nets and one of the best ways to learn is by example.

This net is also great place for youths in other clubs to find common interests that they all want to learn about with other kids on the air. Towards the end of the net, the discussion turns towards deciding the topic for the next net. This way the youths on the net can have an input about what they talk about next week. In the coming weeks, we hope that both youths and adults will join the net on Thursdays and spread the word.

Field Day 2015 at the Clay Center



Kenneth KC1AHI (center)
operating HF



CC-ARC Youth Mem-
bers operating the
GOTA station

Some of the CC-ARC Youth Members



Wellesley Annual Veteran's Parade 2015 ~ Tom Turner, KB1OQA

Sunday, May 17th dawned Sunny with a forecast of warm temperatures as I and other Hams headed for Wellesley to provide communications support for their Town's annual Veteran's Parade.

This event, held yearly to honor all who served our country, runs approximately three hours, and is comprised of floats, bands, marching units, and military vehicles. The route spans the area of the Route-9 and 16 intersection, which is the starting point and heads west-bound. There were 144 units in the parade this year; they were staged along the line of march and phased into it as it progressed. The coordinators were more than a bit busy once it began.

Our briefing for this function, held at the Wellesley Community Center, began at 10 AM. The Team consisted of myself, Ed KC1CLA, Glen KC1BGR, Rich KB1MVK, Bob KB1BXQ, and Keilind KB1BSC. We were provided with maps of the route, along with lists by name, number, alphabetically, and by line-of-march of all units in the parade.

I was assigned to the Registration Desk, which

quickly became quite busy, to assist Parade Committee personnel with entrant check-in, and to provide information regarding their start locations. I ultimately became "Net Control" relaying necessary information such as entry into and exit from the parade, along with any other matters that needed attention, to the other radio team members who functioned as communications "shadows" for committee staff, the lead car, reviewing stand, and start line personnel.

The parade began promptly at 1 PM, and for the next few hours we were all busy providing situational awareness information as needed to anyone requesting it.

Although it became quite hot and humid, there were no issues and, judging by the large turnout, the parade was enjoyed by all who participated in and viewed it.

This was my first time working this event and I found it most enjoyable. It's my intention to return next year. I've since learned that the Wellesley Parade Committee was very appreciative, pleased with our efforts, and will be using us in the future.

The Amateur Radio Parity Act of 2015

The Amateur Radio Parity Act of 2015 -- **H.R.1301 in the US House of Representative** and **S 1685 in the US Senate** -- would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land use restrictions.

The Amateur Radio Parity Act would require the FCC to amend its Part 97 Amateur Service rules to apply the three-part test of the PRB-1 federal pre-emption policy to include homeowners association regulations and deed restrictions, often referred to as "covenants, conditions, and restrictions" (CC&Rs). At present, PRB-1 only applies to state and local zoning laws and ordinances. The FCC has been reluctant to extend the same legal protections to include private land-use agreements without direction from Congress.

H.R. 1301 has been referred to the House Energy and Commerce Committee. S 1685 has been referred to the Senate Commerce, Science and Transportation Committee's subcommittee on Communications, Technology, Innovation and the Internet.

ARRL members are urged to contact their members of both the House and the Senate, asking them to sign on to the bill as a co-sponsor. **Route letters for your member of Congress to:**

ARRL

Attn Amateur Radio Parity Act grassroots campaign

225 Main St

Newington CT 06111

[Editors note: If you live in a CC&R restricted condo, etc., *or think you may in the future*, please write letters to your representative and senators. For more information, including sample letters, see: <http://www.arrl.org/amateur-radio-parity-act>]

June Business Meeting

Bob Evans, Clerk, N1BE

The MMRA board met for a business meeting June 17 in Maynard, MA at 7:00 PM. In attendance were: K1BOS, N1NVK, W1BRI, WA1NVC, W1MPN, K1IW, N1BDA, KC1CLA, N1BE, and K1KWP.

Kevin, K1KWP gave a treasurer's report. This covered the final figures for the fiscal year that ended at the end of May. We are in the black for that year with income exceeding expenses.

Bob, K1IW is in discussion with the company that owns the Hopkinton site about replacing some of our equipment that now is there.

Bob also reviewed speakers for meetings next year. Two that we confirmed were K1KWP/NE1R for Sept., and N1BE for March. (Others who volunteered, please confirm with K1IW.)

K1IW next discussed Boxboro. There is one unfilled place at the dinner banquet on Saturday; contact Bob if you want to join us for dinner. We will have a raffle for some door prizes. As in the past, those who pay dues any time from now until Boxboro will get free raffle tickets. K1KWP was volunteered to bring the fox box. Bob then discussed the MMRA booth; we are still looking for a computer and projector or monitor for the display.

K1IW very briefly discussed the meeting of last night that reviewed the marathon communications. Bob will send out his summary by email to those who asked for more details.

The group then discussed many repeater issues. No power at Mendon. Quincy is linked when it should not be. Squeals and de-sense on 147.27. Possible HUB2 audio level problem affecting linking commands? Should we move a UHF repeater to Mendon since we are doing antenna work there? The fans have been installed at Slygo and that project is complete.

The meeting adjourned at 8:12 PM.

**Next MMRA Business Meeting:
Wednesday 21 October, 7PM
Stratus, Maynard**

May Membership Meeting Notes

Annual Meeting: Officers Report and General Elections

Agenda

- Introductions
- Treasurer Report
- Repeater Status
- MMRA @ Boxboro
- Elections

Repeater Status

6m/10m	2m	220	440	902	Special
29.680 ●	145.160 ●	223.940 ●	442.250 ●	927.0625 ●	144.390 ●
53.810 ●	145.430 ●	224.400 ●	442.700 ●	927.7000 ●	145.090 ○
	146.610 ●	224.700 ●	446.775 ●		
	146.670 ●	224.880 ●	448.225 ●		
	146.715 ●		449.575 ●		
	146.790 ●		449.925 ●		
	146.820 ●				
	147.270 ●				

- Slygo Project COMPLETE*
- 449.575 relocated to Marlborough East
- New DStar 448.225
- Transmitter Issues at 146.715 resolved
- 145.430 Rebuilt, DARI Network installed
- 53.810 Receiver on low antenna

MMRA @ Boxboro

August 21-22-23

- Summer Get-Together will be at the convention this year - \$35 gets you a seat at the Saturday banquet. Keynote speaker Gordon West
- Volunteers needed for MMRA booth
- Volunteers needed for the convention (free lunch)

2015 Elections

All current officers nominated for re-election

President	Bob DeMattia, K1IW
Vice President	Steve Telsey, N1BDA
Treasurer	Kevin Paetzold, K1KWP
Secretary	John McGovern, W1JMC
Clerk	Bob Evans, N1BE
Director (2 year term)	Steve Schwarm, W3EVE
Director (2 year term)	Roger Coulson, WA1NVC

Upcoming MMRA Meetings

Wed, 23 Sept ~ Membership Meeting
The Greatest Hobby in the World ~ Rick Roderick, K5UR
Northborough Public Library

Wed, 21 Oct ~ Business Meeting
Stratus, Maynard

Wed, 18 Nov ~ Membership Meeting
New Approaches to VHF/UHF Frequency Sharing ~ Lee Lemoine, N3LEE
Holiday Inn, Boxborough

Wed, 16 Dec ~ Business Meeting
Stratus, Maynard

Wed, 20 Jan ~ Membership Meeting
Microcontrollers for Radio and Other Applications
(Raspberry Pi, Arduino and Si5351)~ Bob Evans, N1BE
Clay Center, Brookline

Wed, 17 Feb ~ Business Meeting
Stratus, Maynard

Wed, 16 Mar ~ Membership Meeting
Antenna Modeling, It's Easier than Building Them ~ Larry Banks, W1DYJ
TBD

Wed, 20 Apr ~ Business Meeting
Stratus, Maynard

Wed, 18 May ~ Membership Meeting
Programming Your Radio with CHIRP ~ James Lee N1DDK
and Annual Meeting: Officers Report and General Elections
Campion Center, Weston

Wed, 15 June ~ Business Meeting
Stratus, Maynard

Saturday, 27 Aug ~ Mid-summer Get Together
Boxboro ARRL Convention
Holiday Inn, Boxborough

Don't Forget! Join Us.

Every Tuesday @ 8 PM
Technical, Informational and Other
Stuff Net

The MMRA's repeaters are linked Tuesday nights for the TIOS Net. Keep up with what's happening in the MMRA and ask your ham related questions.

Net Control Operators:

Week 1	WA1JIM	Jimmy Devaire
Week 2	W1DYJ	Larry Banks
Week 3	KC1CLA	Ed Curley
Week 4	K1KWP	Kevin Paetzold
Week 5	KB1OQA	Tom Turner

To connect using Echolink / IRLP during the Net:

- Echolink Conference *NEW-ENG2*
- IRLP node 4133

MMRA Leaders

Officers

President	Bob DeMattia	K1IW
Vice President	Steve Telsey	N1BDA
Secretary	John McGovern	W1JMC
Treasurer	Kevin Paetzold	K1KWP
Clerk	Bob Evans	N1BE
* Technical Officer	Bryan Cerqua	W1BRI

Board of Directors

Director »2017	Steve Schwarm	W3EVE
Director »2017	Roger Coulson	WA1NVC
Director »2016	Clark Conti	N1NVK
Director »2016	Mike Neilsen	W1MPN

Repeater Trustees

* Belmont 145.430	James Lee	N1DDK
* Boston 927.0625	Rick Zach	K1RJZ
* Boston 146.820	John Mullaney	K1BOS
* Brookline 145.160	Joyce DeMattia	N1QPH
* Brookline 146.820 Rcvr	Bob Phinney	K5TEC
* Burlington 146.715	Bruce Pigott	KC1US
* Burlington 446.775	Larry Banks	W1DYJ
* Hopkinton 223.940	James Cahill	KB1LOY
* Lowell 442.250	Vince De La Flor	K1LVF
* Marlborough 53.810, 449.575; Quincy 146.670;	Bryan Cerqua	W1BRI
* Marlborough: 29.68, 144.390, 147.270, 224.880, 448.225, 449.925, 927.700 — all as W1MRA		
	Bill Northup	N1QPR
* Mendon 146.610	Jim Podsiadlo	AE1C
* Quincy 224.40	Bill Dunn	N1KUG
* Weston 146.790	Bob Evans	N1BE
* Weston 224.700	Eddie Mulhern	N1NOM
* Weston 442.700	David Wolfe	KG1H

Additional, non-Voting

* Newsletter Editor	Larry Banks	W1DYJ
* Emerg. Coord.	Kevin Paetzold	K1KWP
* Pub. Serv. Coord.	David Wolfe	KG1H
* VEC Liaison	Bill Wade	K1IJ
* Net Manager	Larry Banks	W1DYJ
* Web Page Editor	Bob DeMattia	K1IW

* Appointed

Previous issues of the MMRA Newsletter are available at:
www.mmra.org → [Newsletter Archive](#) (on the left)

MMRA VE Sessions

Second Saturday

9 AM at the Marlboro Public Library

Contact: Bill Wade, K1IJ 781-891-9079
Evenings 6 - 10 PM Weekends 8 AM to 10 PM.
Accredited by the ARRL VEC

Membership Meeting ~ Wednesday, Sept 23 ~ 7 PM

The Greatest Hobby In The World

ARRL First Vice President Rick Roderick, K5UR

Location: Northborough Public Library Talkin: 147.27

Calendar of Ham Radio Flea Markets

For more information: <http://mit.edu/w1gsl/Public/ne-fleas>

19 Sep Forestdale RI RIAFMRS @VFW
19 Sep Fishkill NY MtBARC @QWL
19 Sep Alexander ME SCVARC @ElSch
20 Sep Cambridge MA Flea at MIT
26 Sep Brookline NH NEARC Antique
16,17 Oct Deerfield NEARfest XVIII @FG
17,18 Oct Wakefield MA Photographica
 @AmericalCtr
18 Oct Cambridge MA Flea at MIT
18 Oct Meriden CT Nutmeg @Sheraton
18 Oct Queens NY HOSARC @HoS
25 Oct Hicksville NY LIMARC @LevitHall

31 Oct Gails Ferry CT TCARC @FireCo
14 Nov Bourne MA FARA
 @UpperCC VoTech
5 Dec Windsor CT VR+C Mus
 @115 Pierson LN
6 Feb Springfield VT CVFMA.org@VFW
27 Feb S Burlington VT RANVT @HI
5 Mar Chicopee MA MtTomARA
 @MooseLodge
6 Mar Westford MA Radio @Regency
12 Mar Dayville CT ECARA @StJosephCh
20 Mar Southington CT @HS

THE MINUTEMAN REPEATER ASSOCIATION

MMRA
P.O. Box 669
Stow, MA. 01775-0669

Email: contact@mmra.org



WE'RE ON THE WEB
[HTTP://WWW.MMRA.ORG/](http://www.mmra.org/)

**Have you renewed your
membership yet?**

All 2014 memberships expired on August 31st!
Time to renew either on the Member's login link
at www.mmra.org or by U.S. Mail with a check